

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Sep 29 The Philippines Inventory of Chemicals and Chemical
Substances (PICCS) has been added to CHEMLIST
NEWS 3 Oct 27 New Extraction Code PAX now available in Derwent
Files
NEWS 4 Oct 27 SET ABBREVIATIONS and SET PLURALS extended in
Derwent World Patents Index files
NEWS 5 Oct 27 Patent Assignee Code Dictionary now available
in Derwent Patent Files
NEWS 6 Oct 27 Plasdoc Key Serials Dictionary and Echoing added to
Derwent Subscriber Files WPIDS and WPIX
NEWS 7 Nov 29 Derwent announces further increase in updates for DWPI
NEWS 8 Dec 5 French Multi-Disciplinary Database PASCAL Now on STN
NEWS 9 Dec 5 Trademarks on STN - New DEMAS and EUMAS Files
NEWS 10 Dec 15 2001 STN Pricing
NEWS 11 Dec 17 Merged CEABA-VTB for chemical engineering and
biotechnology
NEWS 12 Dec 17 Corrosion Abstracts on STN
NEWS 13 Dec 17 SYNTHLINE from Prous Science now available on STN
NEWS 14 Dec 17 The CA Lexicon available in the CAPLUS and CA files

NEWS EXPRESS FREE UPGRADE 5.0DP1 FOR STN EXPRESS 5.0 WITH DISCOVER!
(WINDOWS) NOW AVAILABLE
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:35:05 ON 21 DEC 2000

=> d his

(FILE 'HOME' ENTERED AT 12:35:05 ON 21 DEC 2000)

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.15	0.15

FILE 'REGISTRY' ENTERED AT 12:35:23 ON 21 DEC 2000
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STRUCTURE FILE UPDATES: 20 DEC 2000 HIGHEST RN 310390-30-8
DICTIONARY FILE UPDATES: 20 DEC 2000 HIGHEST RN 310390-30-8

TSCA INFORMATION NOW CURRENT THROUGH July 8, 2000

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT
for details.

=> polyethylene glycol

POLYETHYLENE IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s polyethylene glycol

```

        6119 POLYETHYLENE
        37888 GLYCOL
          712 GLYCOLS
        37888 GLYCOL
              (GLYCOL OR GLYCOLS)
L1      5113 POLYETHYLENE GLYCOL
              (POLYETHYLENE(W)GLYCOL)
```

=> file medline caplus embase biosis

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.50	7.65

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FILE 'CAPLUS' ENTERED AT 12:36:06 ON 21 DEC 2000
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FILE 'BIOSIS' ENTERED AT 12:36:06 ON 21 DEC 2000
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=> s polyethylene glycol

```
L2      100489 POLYETHYLENE GLYCOL
```

=> s polyethylene (a) glycol

```
L3      101228 POLYETHYLENE (A) GLYCOL
```

=> s (spinal (a) cord? (a)) or neur? or verteb?) (a) injur?

MISSING TERM 'A)) OR'

The search profile that was entered contains a logical operator
followed immediately by a right parenthesis ')'.
'A)) OR'

=> s (spinal (a) cord?) or neur? or verteb?) (a) injur?

UNMATCHED RIGHT PARENTHESIS 'VERTEB?) '

The number of right parentheses in a query must be equal to the number of left parentheses.

=> s ((spinal (a) cord?) or neur? or verteb?) (a) injur?

3 FILES SEARCHED...

L4 45631 ((SPINAL (A) CORD?) OR NEUR? OR VERTEB?) (A) INJUR?

=> s l3 and l4

L5 31 L3 AND L4

=> duplicate

ENTER REMOVE, IDENTIFY, ONLY, OR (?):remove

ENTER L# LIST OR (END):l5

DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, EMBASE, BIOSIS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L5

L6 14 DUPLICATE REMOVE L5 (17 DUPLICATES REMOVED)

=> d

L6 ANSWER 1 OF 14 MEDLINE DUPLICATE 1
AN 2000123902 MEDLINE
DN 20123902
TI Immediate recovery from **spinal cord injury**
through molecular repair of nerve membranes with **polyethylene glycol**.
AU Borgens R B; Shi R
CS Center for Paralysis Research, Department of Basic Medical Sciences,
School of Veterinary Medicine, Purdue University, West Lafayette, Indiana
47907, USA.. cpr@vet.purdue.edu
SO FASEB JOURNAL, (2000 Jan) 14 (1) 27-35.
Journal code: FAS. ISSN: 0892-6638.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals; Cancer Journals
EM 200004
EW 20000403

=> s l6 py < 1998

MISSING OPERATOR L6 PY

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s l6 and py < 1998

3 FILES SEARCHED...

L7 9 L6 AND PY < 1998

=> d

L7 ANSWER 1 OF 9 MEDLINE
AN 97480455 MEDLINE
DN 97480455
TI Pharmacologically initiated defecation for persons with **spinal cord injury**: effectiveness of three agents.
AU House J G; Stiens S A
CS Department of Physical Medicine and Rehabilitation, Baylor College of Medicine, Houston, TX, USA.
SO ARCHIVES OF PHYSICAL MEDICINE AND REHABILITATION, (1997 Oct) 78 (10) 1062-5.
Journal code: 8BK. ISSN: 0003-9993.
CY United States
DT (CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
(RANDOMIZED CONTROLLED TRIAL)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 199801
EW 19980104

=> d ti tot

L7 ANSWER 1 OF 9 MEDLINE
TI Pharmacologically initiated defecation for persons with **spinal cord injury**: effectiveness of three agents.

L7 ANSWER 2 OF 9 MEDLINE
TI Improved bowel care with a **polyethylene glycol** based bisacodyl suppository.

L7 ANSWER 3 OF 9 MEDLINE
TI Effects of partial blood replacement with pyridoxalated hemoglobin polyoxyethylene conjugate solution on transient cerebral ischemia in gerbil.

L7 ANSWER 4 OF 9 MEDLINE
TI Nursing management of pressure ulcers using a hydrogel dressing protocol: four case studies.

L7 ANSWER 5 OF 9 MEDLINE
TI Reduction in bowel program duration with **polyethylene glycol** based bisacodyl suppositories.

L7 ANSWER 6 OF 9 MEDLINE
TI Reducing postischemic paraplegia using conjugated superoxide dismutase.

L7 ANSWER 7 OF 9 MEDLINE
TI Attenuated neuropathology by nilvadipine after middle cerebral artery occlusion in rats.

L7 ANSWER 8 OF 9 MEDLINE
TI Demonstration of hyperphosphorylated neurofilaments in neuronal perikarya in vivo by microinjection of antibodies into cultured spinal neurons.

L7 ANSWER 9 OF 9 BIOSIS COPYRIGHT 2000 BIOSIS

TI BRAIN AND TISSUE DISTRIBUTION OF POLYETHYLENE GLYCOL
-CONJUGATED SUPEROXIDE DISMUTASE IN RATS.

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	21.40	29.05

STN INTERNATIONAL LOGOFF AT 12:42:11 ON 21 DEC 2000

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:ssspta1617srh

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS INTER		General Internet Information
NEWS LOGIN		Welcome Banner and News Items
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=> file bioscience

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SINCE FILE	TOTAL
ENTRY	SESSION
0.15	0.15

FULL ESTIMATED COST

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FILE 'WPINDEX' ACCESS NOT AUTHORIZED

=> s polyethylene (a) glycol

32 FILES SEARCHED...

L1 258746 POLYETHYLENE (A) GLYCOL

=> s ((spinal (a) cord) or neru? or nerv? or vertebr?) and injur?

8 FILES SEARCHED...

22 FILES SEARCHED...

33 FILES SEARCHED...

49 FILES SEARCHED...

L2 339730 ((SPINAL (A) CORD) OR NERU? OR NERV? OR VERTEBR?) AND INJUR?

=> s l1 and l2

L3 2392 L1 AND L2

=> duplicate

ENTER REMOVE, IDENTIFY, ONLY, OR (?):remove

ENTER L# LIST OR (END):l3

DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, BIOCOMMERCE, DGENE, DRUGLAUNCH, DRUGMONOG2, FOREGE, GENBANK, KOSMET, MEDICONF, PHAR'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

DUPLICATE PREFERENCE IS 'ADISINSIGHT, BIOBUSINESS, BIOSIS, BIOTECHDS, CABA, CANCERLIT, CAPLUS, CEN, CIN, DGENE, DRUGU, EMBASE, ESBIODASE, IFIPAT, JICST-EPLUS, LIFESCI, MEDLINE, NIOSHTIC, PHAR, PHIN, PROMT, SCISEARCH, TOXLINE, '

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING IS APPROXIMATELY 40% COMPLETE FOR L3

PROCESSING IS APPROXIMATELY 67% COMPLETE FOR L3

PROCESSING IS APPROXIMATELY 91% COMPLETE FOR L3

PROCESSING COMPLETED FOR L3

L4 2332 DUPLICATE REMOVE L3 (60 DUPLICATES REMOVED)

=> s l4 and py < 1998

'1998' NOT A VALID FIELD CODE

3 FILES SEARCHED...

6 FILES SEARCHED...

8 FILES SEARCHED...

11 FILES SEARCHED...

13 FILES SEARCHED...

16 FILES SEARCHED...

'1998' NOT A VALID FIELD CODE

27 FILES SEARCHED...

'1998' NOT A VALID FIELD CODE

34 FILES SEARCHED...

38 FILES SEARCHED...

'1998' NOT A VALID FIELD CODE

42 FILES SEARCHED...

'1998' NOT A VALID FIELD CODE
47 FILES SEARCHED...
49 FILES SEARCHED...
51 FILES SEARCHED...
L5 1195 L4 AND PY < 1998

=> s l5 and (treat? or therap?)

11 FILES SEARCHED...
20 FILES SEARCHED...
28 FILES SEARCHED...
43 FILES SEARCHED...
51 FILES SEARCHED...
L6 1143 L5 AND (TREAT? OR THERAP?)

=> l6 and potassium

L6 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l6 and potassium

42 FILES SEARCHED...
L7 730 L6 AND POTASSIUM

=> s l6 and ((potassium (a) channel) (w) (blocker? or antagonist?))

20 FILES SEARCHED...
40 FILES SEARCHED...
L8 2 L6 AND ((POTASSIUM (A) CHANNEL) (W) (BLOCKER? OR ANTAGONIST?))

=> d ti

L8 ANSWER 1 OF 2 USPATFULL
TI Novel benzopyran derivatives

=> s l4 and ((potassium (a) channel) (w) (blocker? or antagonist?))

18 FILES SEARCHED...
37 FILES SEARCHED...
51 FILES SEARCHED...
L9 8 L4 AND ((POTASSIUM (A) CHANNEL) (W) (BLOCKER? OR ANTAGONIST?))

=> d ti tot

L9 ANSWER 1 OF 8 PROMT COPYRIGHT 2000 Gale Group

TI Best PIPELINES.

L9 ANSWER 2 OF 8 USPATFULL
TI Targeted contrast agents for diagnostic and therapeutic use

L9 ANSWER 3 OF 8 USPATFULL
TI Optoacoustic contrast agents and methods for their use

L9 ANSWER 4 OF 8 USPATFULL
 TI Therapeutic methods employing disulfide derivatives of dithiocarbamates and compositions useful therefor

L9 ANSWER 5 OF 8 USPATFULL
 TI Prodrugs comprising fluorinated amphiphiles

L9 ANSWER 6 OF 8 USPATFULL
 TI Conjugates of dithiocarbamates with pharmacologically active agents and uses therefore

L9 ANSWER 7 OF 8 USPATFULL
 TI Novel benzopyran derivatives

L9 ANSWER 8 OF 8 USPATFULL
 TI Benzopyran derivatives

=> d his

(FILE 'HOME' ENTERED AT 13:24:22 ON 21 DEC 2000)

FILE 'ADISALERTS, ADISINSIGHT, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, DRUGNL, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:24:40 ON 21 DEC 2000

L1 258746 S POLYETHYLENE (A) GLYCOL
 L2 339730 S ((SPINAL (A) CORD) OR NERU? OR NERV? OR VERTEBR?) AND INJUR?
 L3 2392 S L1 AND L2
 L4 2332 DUPLICATE REMOVE L3 (60 DUPLICATES REMOVED)
 L5 1195 S L4 AND PY < 1998
 L6 1143 S L5 AND (TREAT? OR THERAP?)
 L7 730 S L6 AND POTASSIUM
 L8 2 S L6 AND ((POTASSIUM (A) CHANNEL) (W) (BLOCKER? OR ANTAGONIST
 L9 8 S L4 AND ((POTASSIUM (A) CHANNEL) (W) (BLOCKER? OR ANTAGONIST

=> d

L9 ANSWER 1 OF 8 PROMT COPYRIGHT 2000 Gale Group

ACCESSION NUMBER: 1999:208043 PROMT
 TITLE: Best PIPELINES.
 AUTHOR(S): Engel, Styli
 SOURCE: Med Ad News, (March 1999) Vol. 18, No. 3, pp. 1(1).
 ISSN: 0745-0907.
 PUBLISHER: Engel Communications, Inc.
 DOCUMENT TYPE: Newsletter
 LANGUAGE: English
 WORD COUNT: 41331
 FULL TEXT IS AVAILABLE IN THE ALL FORMAT

=> log h

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	185.21	185.36

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:54:03 ON 21 DEC 2000
Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:ssspta1617srh

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'ADISALERTS, ADISINSIGHT, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS,

CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, DRUGNL, DRUGU, EMBAL, EMBASE, ESBIODASE, FOMAD, FOREGE, FROSTI, FSTA, GENBANK, HEALSAFE, IFIPAT, JICST-EPLUS, KOSMET, LIFESCI, MEDICONF, MEDLINE, NIOSHTIC, NTIS, OCEAN, PHAR, PHIC, PHIN, PROMT, SCISEARCH, TOXLINE, TOXLIT, USPATFULL, WPIDS' AT 14:02:36 ON 21 DEC 2000

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L1      258746 S POLYETHYLENE (A) GLYCOL
L2      339730 S ((SPINAL (A) CORD) OR NERU? OR NERV? OR VERTEBR?) AND INJUR?
L3      2392 S L1 AND L2
L4      2332 DUPLICATE REMOVE L3 (60 DUPLICATES REMOVED)
L5      1195 S L4 AND PY < 1998
L6      1143 S L5 AND (TREAT? OR THERAP?)
L7      730 S L6 AND POTASSIUM
L8      2 S L6 AND ((POTASSIUM (A) CHANNEL) (W) (BLOCKER? OR ANTAGONIST
L9      8 S L4 AND ((POTASSIUM (A) CHANNEL) (W) (BLOCKER? OR ANTAGONIST
```

=> s (polymethylene or polypropylene or polyethylene or polybutylene or polypentylene or polyhexylene) (a) glycol

21 FILES SEARCHED...

43 FILES SEARCHED...

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L10     280353 (POLYMETHYLENE OR POLYPROPYLENE OR POLYETHYLENE OR
POLYBUTYLENE
          OR POLYPENTYLENE OR POLYHEXYLENE) (A) GLYCOL
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=> s, l10 and l2

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L11     2407 L10 AND L2
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=> s l11 and ((potassium (a) channel) (w) (blocker? or inhibitor? or antagonist?))

12 FILES SEARCHED...

27 FILES SEARCHED...

45 FILES SEARCHED...

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L12     8 L11 AND ((POTASSIUM (A) CHANNEL) (W) (BLOCKER? OR INHIBITOR?
          OR ANTAGONIST?))
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=> d ti tot

L12 ANSWER 1 OF 8 PROMT COPYRIGHT 2000 Gale Group

TI Best PIPELINES.

L12 ANSWER 2 OF 8 USPATFULL

TI Targeted contrast agents for diagnostic and therapeutic use

L12 ANSWER 3 OF 8 USPATFULL

TI Optoacoustic contrast agents and methods for their use

L12 ANSWER 4 OF 8 USPATFULL

TI Therapeutic methods employing disulfide derivatives of dithiocarbamates and compositions useful therefor

L12 ANSWER 5 OF 8 USPATFULL
TI Prodrugs comprising fluorinated amphiphiles

L12 ANSWER 6 OF 8 USPATFULL
TI Conjugates of dithiocarbamates with pharmacologically active agents and
uses therefore

L12 ANSWER 7 OF 8 USPATFULL
TI Novel benzopyran derivatives

L12 ANSWER 8 OF 8 USPATFULL
TI Benzopyran derivatives

=> log h

COST IN U.S. DOLLARS

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ENTRY	SESSION
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=> s spinal(w)cord (w) injur?

L1 33831 SPINAL(W) CORD (W) INJUR?

=> s potassium (a) channel? (bloacker? or antagonist?)

MISSING OPERATOR 'CHANNEL? (BLOACKER?'

The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s potassium (a) channel? (a) (blocker? or antagonist?)

L2 3724 POTASSIUM (A) CHANNEL? (A) (BLOCKER? OR ANTAGONIST?)

=> s polyethylene (a) glycol

L3 101228 POLYETHYLENE (A) GLYCOL?

=> s L1 and L2 and L3

L4 0 L1 AND L2 AND L3

=> s L1 and L2

L5 28 L1 AND L2

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L6 19 DUPLICATE REMOVE L5 (9 DUPLICATES REMOVED)

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L1 33831 S SPINAL(W)CORD (W) INJUR?

L2 3724 S POTASSIUM (A) CHANNEL? (A) (BLOCKER? OR ANTAGONIST?)

L3 101228 S POLYETHYLENE (A) GLYCOL

L4 0 S L1 AND L2 AND L3

L5 28 S L1 AND L2

L6 19 DUPLICATE REMOVE L5 (9 DUPLICATES REMOVED)

cellulose glycols
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=> s L1 and L3

L7 24 L1 AND L3

=> duplicate

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PROCESSING COMPLETED FOR L7

L8 10 DUPLICATE REMOVE L7 (14 DUPLICATES REMOVED)

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L8 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2000 ACS DUPLICATE 1

TI Immediate recovery from **spinal cord injury**
through molecular repair of nerve membranes with **polyethylene glycol**

L8 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2000 ACS DUPLICATE 2

TI Acute repair of crushed guinea pig spinal cord by **polyethylene glycol**

L8 ANSWER 3 OF 10 MEDLINE DUPLICATE 3

TI Functional reconnection of severed mammalian spinal cord axons with **polyethylene glycol**.

L8 ANSWER 4 OF 10 MEDLINE

TI Pilot evaluation of a nurse-administered carepath for successful colonoscopy for persons with **spinal cord injury**.

L8 ANSWER 5 OF 10 MEDLINE DUPLICATE 4

TI **Polyethylene glycol** versus vegetable oil based bisacodyl suppositories to initiate side-lying bowel care: a clinical trial in persons with **spinal cord injury**.

L8 ANSWER 6 OF 10 MEDLINE DUPLICATE 5

TI Pharmacologically initiated defecation for persons with **spinal cord injury**: effectiveness of three agents.

L8 ANSWER 7 OF 10 MEDLINE

TI Improved bowel care with a **polyethylene glycol** based bisacodyl suppository.

L8 ANSWER 8 OF 10 MEDLINE

TI Nursing management of pressure ulcers using a hydrogel dressing protocol: four case studies.

L8 ANSWER 9 OF 10 MEDLINE DUPLICATE 6

TI Reduction in bowel program duration with **polyethylene glycol** based bisacodyl suppositories.

L8 ANSWER 10 OF 10 MEDLINE DUPLICATE 7

TI Reducing postischemic paraplegia using conjugated superoxide dismutase.

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L8 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2000 ACS DUPLICATE 1
ACCESSION NUMBER: 2000:51638 CAPLUS
DOCUMENT NUMBER: 132:203028
TITLE: Immediate recovery from **spinal cord injury** through molecular repair of nerve membranes with **polyethylene glycol**
AUTHOR(S): Borgens, Richard B.; Shi, Riyi
CORPORATE SOURCE: Center for Paralysis Research, Department of Basic Medical Sciences, School of Veterinary Medicine, Purdue University, West Lafayette, IN, 47907, USA
SOURCE: FASEB J. (2000), 14(1), 27-35
CODEN: FAJOEC; ISSN: 0892-6638
PUBLISHER: Federation of American Societies for Experimental Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A brief application of the hydrophilic polymer **polyethylene glycol** (PEG) swiftly repairs nerve membrane damage assocd. with severe **spinal cord injury** in adult guinea pigs. A 2 min application of PEG to a standardized compression injury to the cord immediately reversed the loss of nerve impulse conduction through the injury in all treated animals while nerve impulse conduction remained absent in all sham-treated guinea pigs. Physiol. recovery was assocd. with a significant recovery of a quantifiable spinal cord dependent behavior in only PEG-treated animals. The application of PEG could be delayed for .apprx.8 h without adversely affecting physiol. and behavioral recovery which continued to improve for up to 1 mo after PEG treatment.
REFERENCE COUNT: 39
REFERENCE(S): (1) Ahkong, Q; J Cell Sci 1987, V88, P389 CAPLUS
(15) Davidson, R; Somat Cell Genet 1976, V2, P271 CAPLUS
(18) Hannig, J; Int J Radiat Biol 1999, V75, P379 CAPLUS
(20) Lee, J; Biochemistry 1997, V36, P6251 CAPLUS
(22) Lee, R; Proc Natl Acad Sci USA 1992, V89, P4524 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2000 ACS DUPLICATE 2
ACCESSION NUMBER: 1999:376637 CAPLUS
DOCUMENT NUMBER: 131:179700
TITLE: Acute repair of crushed guinea pig spinal cord by **polyethylene glycol**
AUTHOR(S): Shi, Riyi; Borgens, Richard B.
CORPORATE SOURCE: Center for Paralysis Research, Department of Basic Medical Sciences, Purdue University, West Lafayette, IN, 47907, USA
SOURCE: J. Neurophysiol. (1999), 81(5), 2406-2414
CODEN: JONEA4; ISSN: 0022-3077
PUBLISHER: American Physiological Society
DOCUMENT TYPE: Journal
LANGUAGE: English
AB We have studied the responses of adult guinea pig spinal cord white matter to a standardized compression within a sucrose gap recording chamber.

This injury eliminated compd. action potential (CAP) conduction through the lesion, followed by little or no recovery of conduction by 1 h postinjury. We tested the ability of **polyethylene glycol** (PEG) to repair the injured axons and restore physiol. function. Local application of PEG (1,800 MW, 50% by wt. in water) for .apprx.2 min restored CAP conduction through the injury as early as 1 min post PEG application. The recovery of the CAP .ltoreq.1 h was significantly greater in treated compared with control spinal cords (controls = 3.6% of the preinjury amplitude; PEG treated = 19%; P < 0.0001, unpaired Student's t-test). Stimulus-response anal. indicated that the susceptibility for recovery was similar for all calibers of

axons

after PEG application. The enhanced recovery of conduction after PEG treatment was assocd. with an early alteration in conduction properties relative to control spinal cords. This included increased refractoriness and sensitivity to potassium channel blockade using 4-aminopyridine (4-AP). Normally 4-AP enhanced the amplitude of the recovering CAPs by .apprx.40% in control spinal cords, however this effect was nearly

doubled

to .apprx.72% in PEG treated spinal cords. Because severe clin. injuries to the spinal cord (and some peripheral nerves) are both resistant to medical treatment and usually produced by compression, we discuss the possible clin. benefits of PEG application.

REFERENCE COUNT:

30

REFERENCE(S):

- (1) Ahkong, Q; J Cell Sci 1987, V88, P389 CAPLUS
- (3) Bittner, G; Brain Res 1986, V367, P351 CAPLUS
- (5) Blight, A; Brain Res Bull 1989, V22, P47 CAPLUS
- (8) Borgens, R; Proc Natl Acad Sci USA 1980, V77, P1209 CAPLUS
- (9) Davidson, R; Somat Cell Genet 1976, V2, P271 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 10 MEDLINE

DUPLICATE 3

ACCESSION NUMBER: 1999439264 MEDLINE

DOCUMENT NUMBER: 99439264

TITLE: Functional reconnection of severed mammalian spinal cord axons with **polyethylene glycol**.

AUTHOR: Shi R; Borgens R B; Blight A R

CORPORATE SOURCE: Center for Paralysis Research, Department of Basic Medical Sciences, Purdue University, West Lafayette, Indiana, USA.

SOURCE: JOURNAL OF NEUROTRAUMA, (1999 Aug) 16 (8) 727-38.
Journal code: J82. ISSN: 0897-7151.

PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200001

ENTRY WEEK: 20000104

AB We describe a technique using the water-soluble polymer **polyethylene glycol** (PEG) to reconnect the two segments of completely transected mammalian spinal axons within minutes. This was accomplished by fusing completely severed strips of isolated guinea pig thoracic white matter maintained in vitro in a double sucrose gap recording chamber. The faces of the severed segments were pressed together, and PEG (MW 1,400-3,500 d; approximately 50% by weight in distilled water) was applied directly to this region through a micropipette and removed by aspiration within 2 min. Successful fusion

was

documented by the immediate restored conduction of compound action

potentials through the original transection and by the variable numbers of fused axons in which anatomical continuity was shown to be restored by high-resolution light microscopy and by the diffusion of intracellular fluorescent dyes through fused axons. These data support the conclusion that some severed and subsequently PEG-fused spinal axons both demonstrate restored anatomical continuity and also are physiologically competent to conduct action potentials. This work adds to our previous demonstration that PEG application can immediately repair severely crushed, rather than cut, spinal cord white matter, and may lead to novel treatments for acute trauma to the central and peripheral nervous systems.

L8 ANSWER 4 OF 10 MEDLINE

ACCESSION NUMBER: 1999276887 MEDLINE

DOCUMENT NUMBER: 99276887

TITLE: Pilot evaluation of a nurse-administered carepath for successful colonoscopy for persons with **spinal cord injury**.

AUTHOR: Barber D B; Rogers S J; Chen J T; Gullledge D E; Able A C
CORPORATE SOURCE: Spinal Cord Injury Center, South Texas Veterans Health Care

System, USA.

SOURCE: SCI NURSING, (1999 Mar) 16 (1) 14-5, 20.
Journal code: UFY. ISSN: 0888-8299.

PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Nursing Journals; Nursing

ENTRY MONTH: 200009

ENTRY WEEK: 20000902

AB Due to ongoing improvements in medical care, the life expectancy of persons with **spinal cord injury** (SCI) continues to improve and approach that of the able-bodied population. As the SCI population ages, cancer would be expected to increase as a cause of death. When a patient presents with occult fecal blood and anemia, colonoscopy to the cecum is often pursued. It has been our experience that 80 percent of patients are found to have inadequate bowel preps resulting in suboptimal colonoscopy when the prep is attempted at home. Because of this, we developed a nurse-administered carepath necessitating a 48-hour admission for bowel prep and colonoscopy. The bowel prep consists of magnesium citrate, **polyethylene glycol**-electrolyte solution, and sodium phosphate/biphosphate enemas. Throughout hospitalization, the patient receives a clear liquid diet. Eighteen patients have been placed on the carepath. At the time of colonoscopy, all 18 were noted to have received an acceptable bowel prep allowing vizualization to the cecum. A description of the carepath and its benefits is presented.

L8 ANSWER 5 OF 10 MEDLINE

DUPLICATE 4

ACCESSION NUMBER: 1999063232 MEDLINE

DOCUMENT NUMBER: 99063232

TITLE: **Polyethylene glycol** versus vegetable oil based bisacodyl suppositories to initiate side-lying bowel care: a clinical trial in persons with **spinal cord injury**.

AUTHOR: Stiens S A; Luttrell W; Binard J E

CORPORATE SOURCE: VA Puget Sound Health Care System, Department of Rehabilitation Medicine, University of Washington, Seattle

98195, USA.
SOURCE: SPINAL CORD, (1998 Nov) 36 (11) 777-81.
Journal code: CKK. ISSN: 1362-4393.
PUB. COUNTRY: ENGLAND: United Kingdom
(CLINICAL TRIAL)
(CONTROLLED CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199904
ENTRY WEEK: 19990402
AB INTRODUCTION: Neurogenic bowel dysfunction resulting from **spinal cord injury** (SCI) frequently requires bowel care (BC) with stimulant suppositories for initiation of effective defecation. The excessive time required for BC and bowel complications have limited quality of life after SCI. OBJECTIVE: To test the hypothesis that: the time required for bowel care with bisacodyl suppositories can be reduced by substituting a **polyethylene glycol** base (PGB) for the traditional hydrogenated vegetable oil base (HVB) in the suppository. SETTING: Inpatient SCI medicine unit. SUBJECTS: Fourteen persons with SCI with chronic stable paralysis from upper motor neuron SCI for greater than one year with a stable HVB bisacodyl suppository initiated BC. DESIGN: Crossover Controlled. METHOD: Subjects received HVB bisacodyl suppositories for six sequential BC sessions and then were crossed over to PGB bisacodyl suppositories for six more BCs. OUTCOME MEASURES: BC event times were utilized to derive BC intervals: suppository insertion to first flatus= Time to flatus, first flatus until the beginning of stool flow = Flatus to stool flow, begin stool flow until end stool flow = Defecation period, end stool flow until end of clean up = Clean up, and suppository insertion until end clean up = Total bowel care time. RESULTS: The data included two groups of BC sessions: HVB (n = 84) and PGB (n = 81). Mean times in minutes and P values from t tests for paired samples yielded: Time to flatus: (HVB 31, PGB 12.8 P < 0.002), Defecation period: (HVB 58, PGB 32, P < 0.0005), Clean up: (HVB 1.9, PGB 3.2 P = 0.165), Total bowel care time: (HVB 102, PGB 51.2 P < 0.0005). CONCLUSION: This analysis suggests that PGB based bisacodyl suppositories may stimulate reflex defecation sooner and shorten the Total BC Time as compared with HVB bisacodyl suppositories.

L8 ANSWER 6 OF 10 MEDLINE DUPLICATE 5
ACCESSION NUMBER: 97480455 MEDLINE
DOCUMENT NUMBER: 97480455
TITLE: Pharmacologically initiated defecation for persons with **spinal cord injury**: effectiveness of three agents.
AUTHOR: House J G; Stiens S A
CORPORATE SOURCE: Department of Physical Medicine and Rehabilitation, Baylor College of Medicine, Houston, TX, USA.
SOURCE: ARCHIVES OF PHYSICAL MEDICINE AND REHABILITATION, (1997 Oct) 78 (10) 1062-5.
Journal code: 8BK. ISSN: 0003-9993.
PUB. COUNTRY: United States
(CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
(RANDOMIZED CONTROLLED TRIAL)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199801

ENTRY WEEK: 19980104

AB OBJECTIVE: To compare the effectiveness of hydrogenated vegetable oil-based bisacodyl (HVB) suppositories, **polyethylene glycol**-based bisacodyl (PGB) suppositories, and **polyethylene glycol**-based, glycerine, docusate sodium mini-enemas (TVC) in subjects with upper motor neuron spinal cord lesions.

STUDY DESIGN: Prospective randomized double blind. Fifteen subjects received one of 3 HVB and 3 PGB suppositories in randomized sequence for each of six scheduled bowel care sessions. Additionally, 10 subjects received 3 TVC. The analysis used timed events that divided the bowel care

sessions into discrete intervals. The analysis also compared digital simulations, incontinence, and quantity of stool. Wilcoxon rank sum tests and paired t tests were used to compare the means of intervals during bowel care initiated by HVB, PGB, and TVC. RESULTS: (means in minutes and p values): Time to Flatus-HVB, 32; PGB, 15; TVC, 15; $p < .026$, HVB-PGB; $p < .983$, PGB-TVC; Flatus to Stool Flow-HVB, 6.7; PGB, 5.5; TVC, 3.9; $p < .672$, HVB-PGB; $p < .068$, PGB-TVC; Defecation Period-HVB, 36; PGB, 20;

TVC, 17; $p < .037$, HVB-PGB; $p < .479$, PGB-TVC; Wait Until Transfer-HVB, 10.9; PGB, 10.7; TVC, 7.4; $p < .932$, HVB-PGB; $p < .043$, PGB-TVC; Total Time for the bowel program-HVB, 74.5; PGB, 43; TVC, 37; $p < .010$, HVB-PGB; $p < .458$, PGB-TVC; percent incidence of incontinence between bowel care sessions-HVB, .067; PGB, .067; TVC, .033; $p < 1.0$, HVB-PGB; $p < .678$, PGB-TVC; amount of stool produced-HVB, 3.30; PGB, 3.49; TVC, 3.38; $p < .276$, HVB-PGB; $p < .630$, PGB-TVC; average number of digital stimulations per bowel care procedure-HVB, 4.4; PGB, 4.1; TVC, 3.8; $p < .411$, HVB-PGB; $p < .293$, PGB-TVC; time per digital stimulation in seconds-HVB, 107; PGB, 40; TVC, 83; $p < .149$, HVB-PGB; $p < .352$, PGB-TVC; and the total time, in minutes, spent performing digital stimulations during bowel care-HVB, 10.0; PGB, 2.7; TVC, 5.9; $p < .151$, HVB-PGB; $p < .325$, PGB-TVC. CONCLUSION: Bowel care took less time when initiated with the PGB bisacodyl suppository or TVC mini-enema as compared with the HVB

bisacodyl
suppository ($p < .01$).

L8 ANSWER 7 OF 10 MEDLINE

ACCESSION NUMBER: 97289828 MEDLINE

DOCUMENT NUMBER: 97289828

TITLE: Improved bowel care with a **polyethylene glycol** based bisacodyl suppository.

AUTHOR: Frisbie J H

CORPORATE SOURCE: Spinal Cord Injury Services, Department of Veterans Affairs

Medical Center, Brockton, MA, USA.

SOURCE: JOURNAL OF SPINAL CORD MEDICINE, (1997 Apr) 20 (2) 227-9.

Journal code: B5U. ISSN: 1079-0268.

PUB. COUNTRY: United States

Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199710

ENTRY WEEK: 19971001

AB To test its effectiveness for bowel care in myopathy patients, a bisacodyl

suppository based in **polyethylene glycol** (PEGBS) was compared with a conventional bisacodyl suppository based in hydrogenated vegetable oil (HVOBS). Nineteen patients with upper motor neuron paralysis

received 57 HVOBS and 114 PEGBS trials in a crossover design. The average time for complete bowel evacuation was 2.4 (range 1.0 to 4.5) hours with HVOBS and 1.1 (range 0.3 to 1.8) hours with PEGBS. Three patients later discontinued the PEGBS because of cramps or fecal incontinence. The remaining 16 patients continued to use PEGBS for three years and 15 reported a sustained savings in time. It is concluded that the replacement of HVOBS with PEGBS will reduce bowel care time in myelopathy patients by about half.

L8 ANSWER 8 OF 10 MEDLINE
ACCESSION NUMBER: 97022393 MEDLINE
DOCUMENT NUMBER: 97022393
TITLE: Nursing management of pressure ulcers using a hydrogel dressing protocol: four case studies.
AUTHOR: Whittle H; Fletcher C; Hoskin A; Campbell K
SOURCE: REHABILITATION NURSING, (1996 Sep-Oct) 21 (5) 239-42.
Journal code: R25. ISSN: 0278-4807.
PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Nursing Journals; Nursing
ENTRY MONTH: 199701
ENTRY WEEK: 19970104

AB People with **spinal cord injury** (SCI) are at risk for developing pressure ulcers throughout their lives. Pressure ulcers can lead to significant morbidity, prolonged hospitalization, and diminished quality of life. Rehabilitation nurses play a vital role in preventing and treating pressure ulcers in these clients. In this article, the authors describe four case studies of clients with SCI who have pressure ulcers and discuss the implementation and outcome of a nursing management protocol based on the use of hydrogel dressings. These dressings have been found to promote wound healing, protect against contamination and infection, and reduce pain. They also are usually acceptable to the client and are cost-effective. Hydrogel dressings should be considered as one component of an individualized plan of care for the development of pressure ulcers.

L8 ANSWER 9 OF 10 MEDLINE DUPLICATE 6
ACCESSION NUMBER: 95328936 MEDLINE
DOCUMENT NUMBER: 95328936
TITLE: Reduction in bowel program duration with **polyethylene glycol** based bisacodyl suppositories.
AUTHOR: Stiens S A
CORPORATE SOURCE: Veterans Affairs Medical Center SCI Service, Seattle, WA, USA..
SOURCE: ARCHIVES OF PHYSICAL MEDICINE AND REHABILITATION, (1995 Jul) 76 (7) 674-7.
Journal code: 8BK. ISSN: 0003-9993.
PUB. COUNTRY: United States
(CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
(RANDOMIZED CONTROLLED TRIAL)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199510
AB The neurogenic bowel caused by **spinal cord injury** frequently requires a bowel program (BP) with stimulant

suppositories for effective defecation. OBJECTIVE: The effectiveness of bowel programs initiated by hydrogenated vegetable oil based bisacodyl (HVB) suppositories was compared with that of **polyethylene glycol** based bisacodyl suppositories (PGB). DESIGN: Single subject, randomized treatment. SETTING: Outpatient. SUBJECT: Chronic T2 complete **spinal cord injury** (SCI).

INTERVENTION: The suppository for the every third-day BP was randomized to

PGB or HVB. The times in minutes of the following BP events were recorded:

suppository insertion, first flatus, begin stool flow, end stool flow, and

transfer off toilet. OUTCOME MEASURES: BP event times were used to derive BP intervals: suppository insertion to first flatus = Time to Flatus, first flatus until begin stool flow = Flatus to Stool Flow, begin stool flow until end stool flow = Defecation Period, end stool flow until the transfer off the toilet = Wait Until Transfer, and suppository insertion until transfer off the toilet = Total BP Time. The number of digital stimulations required and the amount of stool results were recorded.

RESULTS: The data included two groups of BPs: HVB (N = 13) and PGB (N = 13). Wilcoxon's rank sum tests were used to compare mean times for each of

the BP intervals: Time to Flatus (HVB 37 minutes, PGB 10 minutes, $p < .0001$), Flatus to Stool Flow (HVB 6.0 minutes, PGB 5.9 minutes, $p = .9578$), and the Defecation Period (HVB 31, PGB 21, $p = .0043$). (ABSTRACT TRUNCATED AT 250 WORDS)

L8 ANSWER 10 OF 10 MEDLINE

DUPLICATE 7

ACCESSION NUMBER: 91247923 MEDLINE

DOCUMENT NUMBER: 91247923

TITLE: Reducing postischemic paraplegia using conjugated superoxide dismutase.

AUTHOR: Agee J M; Flanagan T; Blackburne L H; Kron I L; Tribble C G

CORPORATE SOURCE: Department of Surgery, University of Virginia Health Sciences Center, Charlottesville..

SOURCE: ANNALS OF THORACIC SURGERY, (1991 Jun) 51 (6) 911-4; discussion 914-5.

Journal code: 683. ISSN: 0003-4975.

PUB. COUNTRY: United States

Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals

ENTRY MONTH: 199109

AB Paraplegia after thoracic aortic aneurysm repair has an incidence of 2.2% to 24%. Oxygen-derived free radicals after reperfusion of an ischemic spinal cord may be partly responsible for neuronal destruction. We studied

the effects of **polyethylene glycol**-conjugated superoxide dismutase (PEG-SOD), a free radical scavenger, as a way of increasing spinal cord tolerance to ischemia. Thirty rabbits underwent 40 minutes of aortic occlusion (a known model of paraplegia). Ten of these animals received 25,000 U/kg of PEG-SOD 24 hours before aortic occlusion and two additional doses of 10,000 U/kg, one before and one subsequent to spinal ischemia. Ten animals received superoxide dismutase in the same dosages as those receiving PEG-SOD. Ten control animals received placebo. All animals were studied for 96 hours, at which time a final neurological examination was performed and the results were recorded. Of the 10 animals

treated with PEG-SOD, 2 were completely paralyzed whereas 8 had less (7) or no (1) neurological impairment. Eight of the 10 control animals and 9

of the 10 animals receiving superoxide dismutase were completely paralyzed. None of the control animals or animals receiving superoxide dismutase had a normal neurological examination (p less than or equal to 0.05). Treatment with PEG-SOD before and during occlusion increased the rabbit spinal cord tolerance to a 40-minute ischemic insult. Scavenging free radicals may lessen experimental **spinal cord injury**.

=> d his

(FILE 'HOME' ENTERED AT 11:17:05 ON 21 DEC 2000)

FILE 'CAPLUS, MEDLINE, BIOSIS, EMBASE' ENTERED AT 11:17:30 ON 21 DEC 2000

L1 33831 S SPINAL(W)CORD (W) INJUR?
L2 3724 S POTASSIUM (A) CHANNEL? (A) (BLOCKER? OR ANTAGONIST?)
L3 101228 S POLYETHYLENE (A) GLYCOL
L4 0 S L1 AND L2 AND L3
L5 28 S L1 AND L2
L6 19 DUPLICATE REMOVE L5 (9 DUPLICATES REMOVED)
L7 24 S L1 AND L3
L8 10 DUPLICATE REMOVE L7 (14 DUPLICATES REMOVED)

=> d ti l6 tot

L6 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2000 ACS
TI .kappa.A-Conopeptides for blocking potassium channels

L6 ANSWER 2 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
TI Abnormal axonal physiology is associated with altered expression and distribution of Kv1.1 and Kv1.2 K⁺ channels after chronic **spinal cord injury**.

L6 ANSWER 3 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
TI Rebuilding the spine: Acorda Therapeutics, Inc.

L6 ANSWER 4 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
TI Sustained improvements in neurological function in **spinal cord injured** patients treated with oral 4-aminopyridine: Three cases.

L6 ANSWER 5 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
TI Role of potassium channels in axonal dysfunction after **spinal cord injury**: Molecular and electrophysiological evidence.

L6 ANSWER 6 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
TI Effect of 4-aminopyridine and single-dose methylprednisolone on functional recovery after a chronic **spinal cord injury**.

L6 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2000 ACS
TI Differential effects of low and high concentrations of 4-aminopyridine on axonal conduction in normal and injured spinal cord

L6 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2000 ACS DUPLICATE 1
TI Conduction block in acute and chronic **spinal cord injury**: different dose-response characteristics for reversal by 4-aminopyridine

L6 ANSWER 9 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
 TI 4-Aminopyridine improves pulmonary function in quadriplegic humans with longstanding **spinal cord injury**.

L6 ANSWER 10 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
 TI Effects of 4-aminopyridine on motor evoked potentials in patients with **spinal cord injury**.

L6 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2000 ACS DUPLICATE 2
 TI Changes in pharmacological sensitivity of the spinal cord to **potassium channel blockers** following acute **spinal cord injury**

L6 ANSWER 12 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
 TI 4-Aminopyridine: Six years experience and progress in **spinal cord injury**.

L6 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2000 ACS
 TI Correlation between electrophysiological effects of mexiletine and ischemic protection in central nervous system white matter

L6 ANSWER 14 OF 19 MEDLINE DUPLICATE 3
 TI Effect of 4-aminopyridine in acute **spinal cord injury**.

L6 ANSWER 15 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
 TI Plasma and cerebrospinal fluid concentrations of 4-aminopyridine following intravenous injection and metered intrathecal delivery in canines.

L6 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2000 ACS
 TI Charybdotoxin and peptide fragment for ischemia, hypoxia, or injury therapy

L6 ANSWER 17 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
 TI THE EFFECTS OF 4 AMINOPYRIDINE ON NEUROLOGICAL DEFICITS IN CHRONIC CASES OF TRAUMATIC **SPINAL CORD INJURY** IN DOGS A PHASE I CLINICAL TRIAL.

L6 ANSWER 18 OF 19 MEDLINE DUPLICATE 4
 TI Augmentation by 4-aminopyridine of vestibulospinal free fall responses in chronic spinal-injured cats.

L6 ANSWER 19 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
 TI A NEW PHARMACOLOGIC APPROACH TO **SPINAL CORD INJURY** STUDY USING A DYNAMIC INJURY MODEL IN RATS.

=> d ibis abs tot 16

'IBIS' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):ibib

L6 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 2000:240971 CAPLUS

DOCUMENT NUMBER: 132:288778
 TITLE: .kappa.A-Conopeptides for blocking potassium channels
 INVENTOR(S): Layer, Richard T.; Pemberton-Goodman, Karen E.;
 Jones,
 Robert M.; Garrett, James L.; Olivera, Baldomero M.;
 McIntosh, J. Michael; Hillyard, David R.; Grilley,
 Michelle; Watkins, Maren; Santos, Ameurfina D.;
 Zafaralla, Glenn; Craig, A. Grey
 PATENT ASSIGNEE(S): Cognetix, Inc., USA; University of Utah Research
 Foundation; Salk Institute
 SOURCE: PCT Int. Appl., 103 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000020018	A1	20000413	WO 1999-US23218	19991006
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU 9964159	A1	20000426	AU 1999-64159	19991006
PRIORITY APPLN. INFO.:			US 1998-103247	19981006
			WO 1999-US23218	19991006
OTHER SOURCE(S):	MARPAT 132:288778			
REFERENCE COUNT:	5			
REFERENCE(S):	(1) Craig; Biochemistry 1998, V37(46), P16019 CAPLUS (2) Moczydlowski; J Membrane Biology 1988, V105(2), P95 CAPLUS (3) Norton; Toxicon 1998, V36(11), P1573 CAPLUS (4) Olivera; US 5633347 A 1997 CAPLUS (5) Terlau; US 5672682 A 1997 CAPLUS			

L6 ANSWER 2 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
 ACCESSION NUMBER: 2000:185603 BIOSIS
 DOCUMENT NUMBER: PREV200000185603
 TITLE: Abnormal axonal physiology is associated with altered expression and distribution of Kv1.1 and Kv1.2 K+ channels after chronic **spinal cord injury**.
 AUTHOR(S): Nashmi, Raad; Jones, Owen T.; Fehlings, Michael G. (1)
 CORPORATE SOURCE: (1) Division of Neurosurgery, University of Toronto, 399 Bathurst St., Toronto, M5T 2S8 Canada
 SOURCE: European Journal of Neuroscience, (Feb., 2000) Vol. 12, No. 2, pp. 491-506.
 ISSN: 0953-816X.
 DOCUMENT TYPE: Article
 LANGUAGE: English
 SUMMARY LANGUAGE: English

L6 ANSWER 3 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
 ACCESSION NUMBER: 2000:93117 BIOSIS

DOCUMENT NUMBER: PREV200000093117
TITLE: Rebuilding the spine: Acorda Therapeutics, Inc.
AUTHOR(S): Wells, William A. (1)
CORPORATE SOURCE: (1) 1095 Market Street No. 516, San Francisco, CA,
94103-1628 USA
SOURCE: Chemistry & Biology (London), (Jan., 2000) Vol. 7, No. 1,
pp. R24-R25.
ISSN: 1074-5521.
DOCUMENT TYPE: Article
LANGUAGE: English

L6 ANSWER 4 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
ACCESSION NUMBER: 1998:216930 BIOSIS
DOCUMENT NUMBER: PREV199800216930
TITLE: Sustained improvements in neurological function in
spinal cord injured patients
treated with oral 4-aminopyridine: Three cases.
AUTHOR(S): Potter, P. J. (1); Hayes, K. C.; Hsieh, J. T. C.; Delaney,
G. A.; Segal, J. L.
CORPORATE SOURCE: (1) Dep. Physical Med. Rehabil., Parkwood Hosp., Univ.
West. Ont., London, ON Canada
SOURCE: Spinal Cord, (March, 1998) Vol. 36, No. 3, pp. 147-155.
ISSN: 1362-4393.
DOCUMENT TYPE: Article
LANGUAGE: English

L6 ANSWER 5 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
ACCESSION NUMBER: 1998:156194 BIOSIS
DOCUMENT NUMBER: PREV199800156194
TITLE: Role of potassium channels in axonal dysfunction after
spinal cord injury: Molecular
and electrophysiological evidence.
AUTHOR(S): Nashmi, R.; Fehlings, M. G.; Mutsaers, L.; Ackerley, C.
A.;
Becker, L. E.; Jones, O. T.; Scales, K.; Khanna, R.;
Jugloff, D. G. M.
CORPORATE SOURCE: Playfair Neurosci. Unit, Toronto Hosp. Res. Inst., Univ.
Toronto, Toronto, ON M5T 2S8 Canada
SOURCE: Journal of Neurotrauma, (Jan., 1998) Vol. 15, No. 1, pp.
21.
Meeting Info.: 4th International Neurotrauma Symposium
Seoul, South Korea August 23-26, 1997
ISSN: 0897-7151.
DOCUMENT TYPE: Conference
LANGUAGE: English

L6 ANSWER 6 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
ACCESSION NUMBER: 1998:126292 BIOSIS
DOCUMENT NUMBER: PREV199800126292
TITLE: Effect of 4-aminopyridine and single-dose
methylprednisolone on functional recovery after a chronic
spinal cord injury.
AUTHOR(S): Haghighi, Siavash S. (1); Clapper, Adam; Johnson, Gayle
C.;
Stevens, Amy; Prapaisilp, Arisa
CORPORATE SOURCE: (1) Div. Neurosurg., Dep. Surg., Univ. Nebraska Med.
Center, Omaha, NE USA
SOURCE: Spinal Cord, (Jan., 1998) Vol. 36, No. 1, pp. 6-12.
ISSN: 1362-4393.
DOCUMENT TYPE: Article
LANGUAGE: English

L6 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1997:166767 CAPLUS
DOCUMENT NUMBER: 126:258964
TITLE: Differential effects of low and high concentrations
of
4-aminopyridine on axonal conduction in normal and
injured spinal cord
AUTHOR(S): Shi, R.; Blight, A. R.
CORPORATE SOURCE: Division Neurosurgery, University North Carolina
Chapel Hill, Chapel Hill, NC, 27599-7060, USA
SOURCE: Neuroscience (Oxford) (1997), 77(2), 553-562
CODEN: NRSCDN; ISSN: 0306-4522
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2000 ACS DUPLICATE 1
ACCESSION NUMBER: 1998:37847 CAPLUS
DOCUMENT NUMBER: 128:188543
TITLE: Conduction block in acute and chronic **spinal
cord injury**: different dose-response
characteristics for reversal by 4-aminopyridine
AUTHOR(S): Shi, Riyi; Kelly, Thomas M.; Blight, Andrew R.
CORPORATE SOURCE: Division of Neurosurgery, University of North
Carolina
at Chapel Hill, Chapel Hill, NC, 27599, USA
SOURCE: Exp. Neurol. (1997), 148(2), 495-501
CODEN: EXNEAC; ISSN: 0014-4886
PUBLISHER: Academic Press
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 9 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
ACCESSION NUMBER: 1997:300778 BIOSIS
DOCUMENT NUMBER: PREV199799599981
TITLE: 4-Aminopyridine improves pulmonary function in
quadriplegic
humans with longstanding **spinal cord
injury**.
AUTHOR(S): Segal, Jac L. (1); Brunnemann, Sherry R.
CORPORATE SOURCE: (1) Dep. Veterans Affairs Med. Center, 5901 East Seventh
St., Long Beach, CA 90822 USA
SOURCE: Pharmacotherapy, (1997) Vol. 17, No. 3, pp. 415-423.
ISSN: 0277-0008.
DOCUMENT TYPE: Article
LANGUAGE: English

L6 ANSWER 10 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
ACCESSION NUMBER: 1997:255739 BIOSIS
DOCUMENT NUMBER: PREV199799554942
TITLE: Effects of 4-aminopyridine on motor evoked potentials in
patients with **spinal cord
injury**.
AUTHOR(S): Qiao, J.; Hayes, K. C.; Hsieh, J. T. C.; Potter, P. J.;
Delaney, G. A.
CORPORATE SOURCE: Parkwood Hosp., 801 Commissioners Rd. East, London, ON N6C
5J1 Canada
SOURCE: Journal of Neurotrauma, (1997) Vol. 14, No. 3, pp.
135-149.
ISSN: 0897-7151.

DOCUMENT TYPE: Article
LANGUAGE: English

L6 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2000 ACS DUPLICATE 2
ACCESSION NUMBER: 1996:608996 CAPLUS
DOCUMENT NUMBER: 125:316976
TITLE: Changes in pharmacological sensitivity of the spinal
cord to **potassium channel**
blockers following acute **spinal**
cord injury
AUTHOR(S): Fehlings, Michael G.; Nashmi, Raad
CORPORATE SOURCE: Playfair Neuroscience Unit, The Toronto Hospital
Research Institute, University of Toronto, The
Toronto
Hospital, Toronto Western Division, Suite 12-411,
McLaughlin Pavilion, 399 Bathurst St., Toronto, ON,
M5T 2S8, Can.
SOURCE: Brain Res. (1996), 736(1,2), 135-145
CODEN: BRREAP; ISSN: 0006-8993
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 12 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
ACCESSION NUMBER: 1996:445857 BIOSIS
DOCUMENT NUMBER: PREV199699168213
TITLE: 4-Aminopyridine: Six years experience and progress in
spinal cord injury.
AUTHOR(S): Potter, P. J.; Hayes, K. C.; Hsieh, J. T. C.; Delaney, G.
A.; Wolfe, D. L.
CORPORATE SOURCE: Dep. Physical Med. Rehabilitation, Univ. Western Ont.,
Parkwood Hosp., London, ON Canada
SOURCE: Clinical and Investigative Medicine, (1996) Vol. 19, No. 4
SUPPL., pp. S80.
Meeting Info.: Annual Meeting of the Canadian Society for
Clinical Investigation, the Royal College of Physicians
and
Surgeons of Canada, and Participating Societies Halifax,
Nova Scotia, Canada September 26-29, 1996
ISSN: 0147-958X.
DOCUMENT TYPE: Conference
LANGUAGE: English

L6 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1996:105433 CAPLUS
DOCUMENT NUMBER: 124:220224
TITLE: Correlation between electrophysiological effects of
mexiletine and ischemic protection in central nervous
system white matter
AUTHOR(S): Stys, P. K.; Lesiuk, H.
CORPORATE SOURCE: Loeb Med. Res. Inst., Univ. Ottawa, Ottawa, ON, Can.
SOURCE: Neuroscience (Oxford) (1996), 71(1), 27-36
CODEN: NRSCDN; ISSN: 0306-4522
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 14 OF 19 MEDLINE DUPLICATE 3
ACCESSION NUMBER: 95389330 MEDLINE
DOCUMENT NUMBER: 95389330
TITLE: Effect of 4-aminopyridine in acute **spinal**
cord injury.
AUTHOR: Haghighi S S; Pugh S L; Perez-Espejo M A; Oro J J

CORPORATE SOURCE: Division of Neurosurgery, University of Missouri-Columbia
65212, USA..
SOURCE: SURGICAL NEUROLOGY, (1995 May) 43 (5) 443-7.
Journal code: VBJ. ISSN: 0090-3019.
PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals; Cancer Journals
ENTRY MONTH: 199512

L6 ANSWER 15 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
ACCESSION NUMBER: 1995:308044 BIOSIS
DOCUMENT NUMBER: PREV199598322344
TITLE: Plasma and cerebrospinal fluid concentrations of
4-aminopyridine following intravenous injection and
metered
intrathecal delivery in canines.
AUTHOR(S): Pratt, Kimball; Toombs, J. P.; Widmer, William R.;
Borgens,
Richard B. (1)
CORPORATE SOURCE: (1) Cent. Paralysis Res., Sch. Vet. Med., 1244 VCPR,
Purdue
Univ., West Lafayette, IN 47907-1244 USA
SOURCE: Journal of Neurotrauma, (1995) Vol. 12, No. 1, pp. 23-39.
ISSN: 0897-7151.
DOCUMENT TYPE: Article
LANGUAGE: English

L6 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1991:550405 CAPLUS
DOCUMENT NUMBER: 115:150405
TITLE: Charybdotoxin and peptide fragment for ischemia,
hypoxia, or injury therapy
INVENTOR(S): Ohnishi, Tsuyoshi
PATENT ASSIGNEE(S): USA
SOURCE: U.S., 11 pp. Cont.-in-part of U.S. Ser. No. 104,199,
abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5006512	A	19910409	US 1988-289072	19881222
JP 01156924	A2	19890620	JP 1988-248745	19881001
PRIORITY APPLN. INFO.:			US 1987-104199	19871002

L6 ANSWER 17 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
ACCESSION NUMBER: 1991:345581 BIOSIS
DOCUMENT NUMBER: BA92:44956
TITLE: THE EFFECTS OF 4 AMINOPYRIDINE ON NEUROLOGICAL DEFICITS IN
CHRONIC CASES OF TRAUMATIC **SPINAL CORD**
INJURY IN DOGS A PHASE I CLINICAL TRIAL.
AUTHOR(S): BLIGHT A R; TOOMBS J P; BAUER M S; WIDMER W R
CORPORATE SOURCE: CENT. PARALYSIS RES., PURDUE UNIV., WEST LAFAYETTE,
INDIANA
47907.
SOURCE: J NEUROTRAUMA, (1991) 8 (2), 103-120.
CODEN: JNEUE4.

FILE SEGMENT: BA; OLD
LANGUAGE: English

L6 ANSWER 18 OF 19 MEDLINE
ACCESSION NUMBER: 88154951 MEDLINE
DOCUMENT NUMBER: 88154951
TITLE: Augmentation by 4-aminopyridine of vestibulospinal free
fall responses in chronic spinal-injured cats.
AUTHOR: Blight A R; Gruner J A
CORPORATE SOURCE: Department of Neurosurgery, New York University Medical
Center, NY 10016.
CONTRACT NUMBER: NS21122 (NINDS)
NS10164 (NINDS)
SOURCE: JOURNAL OF THE NEUROLOGICAL SCIENCES, (1987 Dec) 82 (1-3)
145-59.
Journal code: JBJ. ISSN: 0022-510X.
PUB. COUNTRY: Netherlands
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198806

L6 ANSWER 19 OF 19 BIOSIS COPYRIGHT 2000 BIOSIS
ACCESSION NUMBER: 1988:106973 BIOSIS
DOCUMENT NUMBER: BR34:53315
TITLE: A NEW PHARMACOLOGIC APPROACH TO **SPINAL**
CORD INJURY STUDY USING A DYNAMIC INJURY
MODEL IN RATS.
AUTHOR(S): OHNISHI S T; BARR J K; KATAGI C
CORPORATE SOURCE: MEMBRANE RES. INST., UNIV. CITY SCI. CENT., PHILADELPHIA,
PA 19104.
SOURCE: 17TH ANNUAL MEETING OF THE SOCIETY FOR NEUROSCIENCE, NEW
ORLEANS, LOUISIANA, USA, NOVEMBER 16-21, 1987. SOC
NEUROSCI
ABSTR, (1987) 13 (1), 63.
CODEN: ASNEE5.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

=> log h

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
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